UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO.   : 7,251,638 B2
APPLICATION NO. : 10/792292
DATED   : July 31, 2007
INVENTOR(S)   : Fujii et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On page 2, column 2 (Other Publications), at line 62 after "Intelligent" and insert --Industrial--.

In column 8, at approximately line 11, change "ϕ" to -- $\dot{\phi}$ --.

In column 10, at approximately line 3, change "$+Cx_{12}$" to --$+Cz_{12}$--.

In column 10, at approximately line 13, change " $\frac{\sigma}{V}F_{Yci}$ " to -- $\frac{\sigma}{V}\dot{F}_{Yci}$ --.

In column 10, at approximately line 16, change " $\frac{\sigma}{V}T_{Zci}$ " to -- $\frac{\sigma}{V}\dot{T}_{Zci}$ --.

In column 10, at approximately line 18, change " $\frac{\sigma}{V}T_{Xci}$ " to -- $\frac{\sigma}{V}\dot{T}_{Xci}$ --.

In column 10, at approximately line 33, change "T_t" to --T_x--.

In column 13, at line 66, change "$j_i=1$," to --**n,** $j_i=1$,--.

In column 14, at approximately line 56, before "are" change "lx_{k_o}" to --lx_k--.

In column 15-16 (Table 3), at approximately line 9, change "product" to --sum--.

In column 23, at line 50, change "$\phi^2 + \tau_d^2 0.0001$" to --$\phi^2 + \tau_d^2 \times 0.0001$--.

In column 26, at line 10, change "$+\tau_s^2 = 0.0005$" to --$+ \tau_s^2 \times 0.0005$--.

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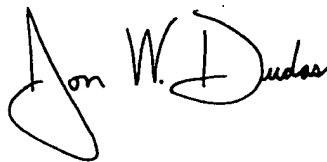DATED   : July 31, 2007
INVENTOR(S) : Fujii et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 26, at line 10, change "(7-6)" to --(9-11)--.

Signed and Sealed this

Twenty-second Day of July, 2008

JON W. DUDAS
Director of the United States Patent and Trademark Office